

No. 48649

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office. DEC 24 1984

Returned to applicant for correction.

Corrected application filed.

Map filed JAN 9 1985

The applicant Wells Rural Electric Company

P.O. Box 365

Wells

Street and No. or P.O. Box No.

City or Town

Nevada 89835

State and Zip Code No.

, hereby make application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated on November 13, 1958 in the City of Wells, Nevada

1. The source of the proposed appropriation is located in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4, T.37N., R.62E., M.D.M., Elko County Nevada. No known source name - Underground Source

Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 0.156 (70 g.p.m.) second-feet

One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet. NA

3. The water to be used for Space Heating an office building and service shop. - Geothermal

Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated. NA

(b) Stockwater, state number and kinds of animals to be watered. NA

(c) Other use (describe fully under "No. 12. Remarks") Space Heating for office bldg. and workshop.

(d) Power:

(1) Horsepower developed. NA

(2) Point of return of water to stream. NA

5. The water is to be diverted from its source at the following point Lying in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4, T.37N., R.62E., M.D.M., Elko County, Nevada; Beginning at the Southwest Corner survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated. of said Section 4; (brass cap located.) thence N.80°33' E. 3168' to the point to drill the well.

Describe as being within a 40-acre subdivision of public

6. Place of use Lying in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ & SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 4, T.37N., R.62E., M.D.M., Elko County, Nevada;

Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about Jan. 1 and end about Dec. 31, of each year.

Month and Day

Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) 8 inch dia. well drilled to acquifer. Utilize

State manner in which water is to be diverted, i.e. diversion structure, ditches and

heat exchanger to the closed system water source heat pumps.

fumes, drilled well with pump and motor, etc.

9. Estimated cost of works (est. well) \$18,000, (heat exchanges & distrib system) \$100,000

10. Estimated time required to construct works 2-3 wks. to drill well; the heat exchanger and
If well completed, describe works.
distribution works will be installed as building is constructed appx 9-12 months
11. Estimated time required to complete the application of water to beneficial use April 1986. Approximately 15 months
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

See Attached.

By s/Kimberly J. Jacobsen
P.O. Box 1066
Hailey, ID 83333

Compared bc/bl is/bc

Protested _____

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins, or before the Proof of Completion of Work is filed. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

(CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and

not to exceed 0.156 cubic feet per second, but not to exceed 36.79
million gallons annually.

Work must be prosecuted with reasonable diligence and be completed on or before April 26, 1986

Proof of completion of work shall be filed on or before May 26, 1986

Application of water to beneficial use shall be made on or before April 26, 1989

Proof of the application of water to beneficial use shall be filed on or before May 26, 1989

Map in support of proof of beneficial use shall be filed on or before _____

Completion of work filed JUN 02 1986 IN TESTIMONY WHEREOF, I PETER G. MORROS

State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed _____ my office, this 26th day of April

Cultural map filed _____ A.D. 1985

Certificate No. _____ Issued _____

(PERMIT TERMS CONTINUED)

This permit is issued under the provisions of NRS 534.120(2) as a preferred use.

There are to be no perforations in the well for at least the first 500 feet. The well is to be cemented from the production levels to the surface to protect fresh water zones.

This permit is further issued subject to the condition that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This permit is further issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes only and fresh, cold water aquifers are not to be diverted.

A detailed log of the well and an analysis of the system must be submitted with the Proof of Completion of Work.. Upon review of this information a determination will be made if other applications can be made on the waste water or if reinjection of the waste water will be required.



12.

Wells Rural Electric Company (WREC) is proposing to use geothermal water to space heat two buildings; 1. WREC's new 15,000 sq.ft. corporate office, and 2. the existing 10,000 sq.ft. service shop. It is proposed that an estimated 8 inch diameter well will be drilled 600 feet to tap approximately 85°F water. The 8 inch diameter well will be capable of supplying 70 g.p.m. The proposed works include a heat exchanger to the closed system water source heat pumps. The applicant, after preliminary consultation with the City Manager for the City of Wells, is proposing to reintroduce the waste water into the City's water system. This reintroduction concept is contingent upon health inspector inspection and verification that the waste water is potable. Presently, the Wells' Grade School is heating their facilities by a geothermal source and reintroducing their waste water into the City's water system, similar to the applicant's proposal.

The applicant is proposing to apply for an exploratory well permit in order to drill and determine the exact location of the water resource, temperature and clarity. The exploratory well would then be plugged according to Nevada State specifications.

Annual consumptive use is estimated to be approximately 36,792,000 gallons per year.

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